

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  Janani Janakiraman, <i>et al.</i>	: Group Art Unit:
Serial No.:	: Intellectual Property Law Department
Filed:	: International Business Machines Corp.
Title: "Translating Emotion to Braille, Emoticons and Other Special Symbols"	: 11400 Burnet Road
	: Internal Zip 4054
	: Austin, Texas 78758

Date: September 25, 2003

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents  
Washington, D. C. 20231

Sir:

Applicants submit herewith patents, publications or other information of which they are aware, which they believe may be material to the patentability of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

While this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to herein is "prior art" for this invention unless specifically designated as such.

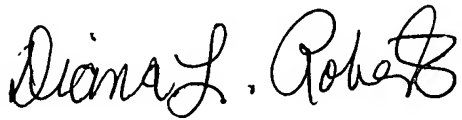
In accordance with 37 CFR 1.97(g) the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56 (a) exists.

AUS920030585US1

The attached form, PTO-1449, provides a listing of patents, publications, or other information as required by 37 CFR 1.98 (a)(1).

A copy of each of the items on PTO-1449 is supplied herewith.

Respectfully submitted,

A handwritten signature in cursive script, reading "Diana L. Roberts". The signature is written in black ink and is positioned above the printed name and contact information.

Diana L. Roberts  
Attorney for Applicants  
Registration No. 36,654  
(512) 823-9667

In Place of FORM PTO-1449 (Modified)

**LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT**

Serial No. \_\_\_\_\_

Applicant: Janani Janakiraman

Filing Date: \_\_\_\_\_

Group: \_\_\_\_\_

Atty. Docket No. AUS920030585US1

Reference Designation		<u>U. S. PATENT DOCUMENTS</u>					Filing Date if
Examiner	Document						
<u>Initial</u>	<u>Number</u>	<u>Date</u>	<u>Name</u>	<u>Class</u>	<u>Subclass</u>	<u>Appropriate</u>	
_____	AA 6,256,033	07/03/2001	Nguyen	345	863		
_____	AB 6,128,003	10/03/2000	Smith	345	157		
_____	AC 6,088,040	07/11/2000	Oda	345	473		
_____	AD 5,995,924	11/30/1999	Terry	704	207		
_____	AE 5,744,591	06/30/1998	Black	382	236		
_____	AF 5,252,951	10/12/1993	Tannenbaum	345	156		

		<u>FOREIGN PATENT DOCUMENTS</u>					Translation
Examiner	Document						
<u>Initial</u>	<u>Number</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>Subclass</u>	<u>Yes</u>	<u>No</u>
_____	AG						

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

Examiner		
<u>Initial</u>		
_____	AH "Beyond Voice Recognition: Facial Expression Decoding", Technical Insights Alert, 12-31-1999, 3 pages	
_____	AI "Expression Glasses: A Wearable Device for Facial Expression Recognition", J. Scheirer, et al., MIT Media Laboratory, 05-15-1999, 2 pages	
_____	AJ "Facial Expression Analysis", J. Cohn, et al., 09-12-1997, 3 pages.	
_____	AK "Product Brief: FaceIt[TM] Software Developer Kits", Identix Corporation, Minnetonka, MN, 2 pages.	
_____	AL "Facial Expression Recognition using Neural Networks" by Ben Wong, downloaded from <a href="http://www.cs.cornell.edu/boom/2001sp/Wong,%20B/Untitled-3.htm">http://www.cs.cornell.edu/boom/2001sp/Wong,%20B/Untitled-3.htm</a> on Aug. 15, 2003, 8 pages.	
_____	AM "Learning Bayesian Network Classifiers for Facial Expression Recognition using Both Labeled and Unlabeled Data", by Ira Cohen, et al., 7 pages.	
_____	AN "Spectral Emphasis as an Additional Source of Information in Accent Detection", by Mattias Heldner, 4 pages.	
_____	AO "Abstract: Robust Facial Expression Recognition Using a State-based Model of Spacially-Localised Dynamics" by F. Bourel, et al., 1 page.	

Examiner: \_\_\_\_\_

Date Considered: \_\_\_\_\_

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.